| Index of | Claims |
|----------|--------|
| | |

| _ | Application/Control No. | Applicant(s)/Patent under Reexamination |
|---|-------------------------|---|
| | 10/615,490 | CERF ET AL. |
| | Examiner | Art Unit |
| | Jaric Loving | 2137 |

| 1 | Rejected |
|---|----------|
| = | Allowed |

| - | (Through numeral) Cancelled |
|---|--------------------------------|
| - | Restricted |

| N | Non-Elected | A |
|---|--------------|---|
| _ | Interference | 0 |

| A | Appeal |
|---|----------|
| 0 | Objected |

| | | _ | | | | | ' | | | | | - |
|--------------|----------------|--|----------|------------|-------------------------------------|----------|---------------------------|----------|---------------|--------------|--|-------|
| Cla | im | | | | | Date | e | | | | | CI |
| Final | Original | 2/15/16 | | | | | | | | | | Final |
| - | 1 | V | / | \vdash | | | | | | | | |
| | 2 | V | r | | | | | | | _ | | _ |
| | 3 | 1 | | | | | | | | | | |
| | 4 | 1 | r | | | | | | | | | |
| | 5 | V | | | | | | | | | | |
| | 6 | _ | _ | <u>L</u> . | _ | | | | | | | |
| | 7 | ~ | | | _ | | _ | | | | | |
| <u> </u> | 8 | 2 | | _ | _ | <u> </u> | | _ | | _ | | |
| <u> </u> | 9 | 4 | <u>k</u> | L | <u> </u> | | _ | Щ | _ | | | |
| | 10 | 1 | \vdash | <u> </u> | ┝ | <u> </u> | _ | | | | | |
| <u> </u> | 11 | 1 | / | ┝ | ⊢ | - | | | - | | | |
| | 12 13 | 1 | 4 | ⊢ | | - | - | | - | - | | |
| | 14 | 1 | 7 | | ├ | - | - | H | | _ | | |
| | 15 | V. | | - | ┢ | \vdash | - | | _ | \vdash | | |
| - | 15 16 | 1 | | ┝ | ┢ | | \vdash | _ | | - | | |
| - | 17 | 0 | / | - | ┢ | - | | | - | - | | |
| - | 18 | V | 7 | | \vdash | | | | _ | | | |
| | 18 19 | 7 | | _ | \vdash | \vdash | | | _ | \vdash | | |
| | 20 | 0 | | ┢ | \vdash | \vdash | Н | | \vdash | Г | | |
| | 21 | V | | | Г | | | | | | | |
| | 22 | 1 | | | Г | Г | | | | | | |
| | 23 | 1 | , | | | | | | | | | |
| | 24 | ī.Z | 2 | | | | | | | | | |
| | 25 | V | 2 | | | | | | | | | |
| | 26 27 | V | | L | | | | | | _ | | |
| | 27 | 14 | _ | _ | | _ | L. | | | <u> </u> | | |
| <u> </u> | 28 29 | 3 | | _ | _ | _ | ļ | | _ | <u> </u> | | |
| | 29 | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | | | <u> </u> | <u> </u> | | |
| | 30 | ⊢ | _ | _ | <u> </u> | L | L | _ | <u> </u> | <u> </u> | | |
| | 31 | <u> </u> | | _ | | ├ | - | _ | <u> </u> | <u> </u> | | |
| | 31 32 33 | ⊢ | \vdash | \vdash | ⊢ | ⊢ | ⊢ | <u> </u> | - | - | | |
| - | 34 | - | | - | - | - | - | | H | - | | |
| - | 34 35 | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | - | | | |
| — | 36 | H | - | \vdash | \vdash | \vdash | \vdash | _ | - | - | | |
| | 37 | ┢ | | | | \vdash | \vdash | _ | - | - | | |
| | 38 | T | | | ┢┈ | ┢ | \vdash | | | | | |
| | 39 | T | | | _ | | | | | | | |
| | 40 | Г | | _ | _ | | | | | | | |
| | 41 | | Г | | | | | | Г | | | |
| | 42 | | | | | | | | | | | |
| | 43 | | | | | | | | | | | |
| | 44 | | 匚 | | | 匚 | | | | | | |
| | 45 | 匚 | | | L | 匚 | | L | | | | |
| | 46 | L | L | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L | <u> </u> | L | L | \Box | | |
| L_ | 47 | <u> </u> | 匚 | _ | L_ | <u> </u> | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | L | <u> </u> | | |
| <u> </u> | 48 | <u> </u> | \vdash | ⊢ | ļ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| | 49 | <u> </u> | <u> </u> | <u> </u> | I — | ⊢ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| | 50 | <u> </u> | | | L | L | | L. | L | | | |

| Cla | im | m Date | | | | | | | | | |
|----------|--|---------------|----------|----------|---------------|-------------------------------------|----------|----------|----------|----------|--|
| Final | Original | | | | | | | | | | |
| \vdash | 51 | | | - | | | | | | | |
| | 51 52 | | | П | $\overline{}$ | | | | | | |
| | 53 | | | | | | | | | | |
| | 53 54 | | | | | | | | | | |
| | 55 | | | | | | | | | | |
| | 56 | | | | | | | | | | |
| <u></u> | 57 | | _ | | _ | | | | | | |
| | 58 | | | | | | | | | | |
| ļ | 59 | | | | | | | | | | |
| <u> </u> | 60 | _ | | \vdash | \vdash | _ | _ | _ | ш | _ | |
| <u> </u> | 61 | _ | | _ | _ | | | | _ | | |
| \vdash | 62 | H | <u> </u> | \vdash | \vdash | <u> </u> | | | <u> </u> | _ | |
| | 64 | | - | \vdash | ⊢ | - | - | - | \vdash | _ | |
| - | 63 64 65 | - | \vdash | ⊢ | H | \vdash | H | | \vdash | | |
| | 66 | - | | Н | \vdash | - | | - | \vdash | | |
| | 66 67 | _ | - | Н | Н | - | _ | | \vdash | - | |
| | 68 | - | _ | ┢ | ┈ | | | | \vdash | - | |
| | 69 | - | | - | - | | | | \vdash | - | |
| | 70 | | _ | | ┢ | Т | Г | | | | |
| | 71 | | | | | | | | | _ | |
| | 72 | | | | | | | | | | |
| | 73 | | | Г | | | | | | | |
| | 74 | | | | | | | | | | |
| | 75 | | | | | | | | Ш | | |
| | 69 70 71 72 73 74 75 76 77 78 | | _ | | | | | | | | |
| | 77 | | _ | | | | | _ | | | |
| | 78 | | | | | <u> </u> | | _ | | | |
| | 79 | _ | _ | _ | _ | | | _ | ļ | _ | |
| ļ | 80 | | | | _ | _ | _ | | _ | <u> </u> | |
| | 81 | <u> </u> | _ | | _ | L | | - | | | |
| <u> </u> | 82 83 | _ | \vdash | _ | | <u> </u> | _ | - | - | - | |
| | 84 | ├─ | \vdash | \vdash | \vdash | \vdash | - | - | ├ | - | |
| - | 85 | \vdash | \vdash | \vdash | Η- | \vdash | - | \vdash | \vdash | \vdash | |
| | 86 | H | \vdash | ⊢ | H | H | \vdash | \vdash | \vdash | \vdash | |
| | 87 | Н | \vdash | \vdash | \vdash | Н | \vdash | \vdash | \vdash | \vdash | |
| \vdash | 88 | Т | Т | Г | П | | | П | Г | Т | |
| | 89 | | | Г | | | | | | | |
| | 90 | | | | | | | | | | |
| | 91 | | | | | | | | | | |
| | 92 | | | L | | | | | | | |
| | 93 | | | | L_ | L | | _ | _ | L | |
| | 94 | L | L_ | oxdot | ᆫ | ᆫ | _ | \sqcup | Щ | L | |
| <u> </u> | 95 | <u> </u> | L. | | $oxed{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L | _ | _ | | |
| \vdash | 96 | _ | _ | <u> </u> | <u> </u> | L | <u> </u> | \vdash | <u> </u> | | |
| <u> </u> | 97 | $oxed{oxed}$ | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | ļ | _ | L | |
| | 98 | | <u> </u> | - | <u> </u> | <u> </u> | <u> </u> | - | | _ | |
| | 99 100 | - | - | | \vdash | H | \vdash | | - | _ | |
| 1 | IUU | | i | | | | | | ı | | |

| Cli | aim | Date | | | | | | | | \neg |
|----------|-------------------|----------|--|----------|--|----------|----------|----------|----------|----------|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 101 102 103 | | | | | | | | | |
| | 102 | _ | | | | | _ | | _ | Ш |
| | 103 | | - | H | _ | _ | \vdash | \vdash | _ | H |
| | 105 | _ | _ | | _ | | H | | | Н |
| | 106 | | | | | | | | | |
| | 107 | | | | | | | | | |
| | 108 | _ | _ | | _ | _ | | | _ | |
| | 109 110 | _ | - | | | H | | | _ | Н |
| | 111 | | _ | | | Н | | | _ | |
| | 112 | | | | | | | | | |
| | 113 | | | | | | الله | _ | _ | Ц |
| | 114 115 | _ | <u> </u> | <u> </u> | | H | _ | _ | | Н |
| <u> </u> | 116 | — | - | \vdash | \vdash | \vdash | \vdash | - | \vdash | \vdash |
| | 116 117 | | | | | | | | | |
| | 118 | | | | | | | | | |
| | 119 | | ļ | | | <u> </u> | _ | _ | _ | Щ |
| | 120 | _ | - | ⊢ | H | - | | | | Н |
| | 121 122 123 | _ | \vdash | \vdash | - | - | \vdash | | _ | |
| | 123 | | _ | | | | - | | | |
| | 124 125 126 | | | | | | | | | |
| | 125 | | <u> </u> | | L | L. | L | | | |
| | 126 | | - | | _ | - | \vdash | H | | Н |
| | 127 128 | | \vdash | | - | - | | | - | Н |
| | 129 130 | | | | | | | | | |
| | 130 | | | | | | | | | |
| ļ | 131 | | <u> </u> | | L | _ | - | | | Н |
| | 132 133 | | ├ | - | - | - | \vdash | - | _ | Н |
| | 134 | - | | | | _ | | | _ | М |
| | 135 | | | | | | | | | |
| <u> </u> | 136 | ļ | <u> </u> | ļ | <u> </u> | _ | ldash | الما | ļ | Н |
| | 137 138 | - | - | \vdash | \vdash | ⊢ | ├- | | _ | Н |
| | 139 | | | - | - | | \vdash | <u> </u> | | H |
| | 140 | | | | | | | | | |
| | 141 | | $oxed{\Box}$ | oxdot | L | | \Box | L | _ | igsqcup |
| | 142 | <u> </u> | \vdash | <u> </u> | L | <u> </u> | ⊢ | <u> </u> | <u> </u> | Н |
| | 144 | \vdash | ┝ | \vdash | - | - | \vdash | \vdash | \vdash | Н |
| | 145 | \vdash | \vdash | \vdash | Т | | \vdash | | | Н |
| | 146 | | | | | | | | | |
| | 147 | L | <u> </u> | | L | <u> </u> | L | <u> </u> | <u> </u> | Щ |
| <u> </u> | 148 149 | <u> </u> | ⊢ | - | - | \vdash | ┡ | \vdash | \vdash | \vdash |
| <u> </u> | 150 | \vdash | ┝ | \vdash | | \vdash | \vdash | Ι | ┝ | - |
| Щ. | | _ | Ц | Ц | ш | — | L | | - | |